



Technical drawing of a 10NC-45 HS cap. The drawing shows a top view and a side view. Dimensions are given in millimeters (mm) and inches (").

- Top view dimensions:
 - Overall width: 152 mm (6")
 - Overall height: 178 mm (7")
 - Inner diameter: 89 mm (3 1/2")
- Side view dimensions:
 - Overall height: 19 mm (3/4")
- Callouts:
 - Provide removable rain tight cap
 - 19 mm (3/4") - 10NC - 45 mm (1 3/4") long HS cap screws total 4, top pole plate
 - 60 mm (2 3/8") ϕ hole, chased edges for electrical conductors

HIGH STRENGTH CAP SCREWS
 16 mm (5/8") - 11NC - 45 mm (1 3/4")
 Length mm (inches)
 Threads (per inch)
 Size mm (Inches)

1. Round tapered steel tube 4.55 mm (0.1793") with maximum taper of 11.67 mm/m (0.14-inch per foot) and 140 mm (5 1/2") OD minimum at pole.
2. In lieu of the torque requirements for HS bolts, cap screws shall be tightened by the turn-of-nut method, 1/3 turn from snug tight condition. No washer will be required.
3. For arm lengths and signs or signals required each side of ϕ pole, see Signal plans.
4. Mast arm signal to be MAS mounted on pipe tenon Detail S on Standard Plan ES-7M.
5. Sign area shall not exceed 1.36 m² (14.6 square feet) for each sign.
6. If all 3 signs are placed on one side of pole one sign must be placed adjacent to pole.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
SIGNAL AND SIGN STANDARDS
TYPE 33
LEFT TURN

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses (). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

ES-71